# SOURCE CODE

```
package com.akshay.training;

import java.io.File;
import java.io.IOException;
import java.util.Arrays;
import java.util.Scanner;

public class PhaseEndProject {

	public static void main(String[] args) {
		System.out.println("\n**********************************\n\n");
		System.out.println("File Manipulation Application\nDeveloped By :- Akshay
V S\n\n");
		System.out.println("**********************************\n\n");
		File newFolder=new File("NewFolder");
		newFolder.mkdir();
		optionSelection(newFolder);

	}

	private static void optionSelection(File newFolder) {

		String []arr= {"1. Show all the files.",
				"2.File Manipulation Options",
				"3.Exit the Application"};
		int []arr1= {1,2,3};
		int slen= arr1.length;
```

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System.out.println();
for(int i = 0;i<slen;i++) {
	System.out.println(arr[i]);
}
System.out.println("Enter your choice:");
Scanner scan=new Scanner(System.in);
int options= scan.nextInt();
switch(options){
	case 1:
		String[] fileNames=new String[100];
		fileNames = newFolder.list();
		if(fileNames.length==0) {
			System.out.println("the folder is empty");
		}
		else {
			Arrays.sort(fileNames);
			System.out.println("The files present are ");
			for(String name:fileNames) {
				System.out.println(name);
			}
		}
		optionSelection(newFolder);
		break;

	case 2:
		System.out.println("File manipulation options");
		fileManipulation(newFolder);
		break;

	case 3:
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                        System.out.println("ThankYou For Using The
application\n\nLogging off!!!");
                        break;

                default:
                        System.out.println("Wrong input\nTry Again");
                        optionSelection(newFolder);
                        break;

        }
    }

    private static void fileManipulation(File newFolder) {
        System.out.println("1.Add a File\n2.Delete a file \n3.Search a file\n4.go to
main menu");
        System.out.println("Enter your choice");
        Scanner sc = new Scanner(System.in);
        int choice=sc.nextInt();

        switch(choice) {

        case 1:
            System.out.println("Adding a file\n");
            System.out.println("Enter the name of the file you wish to add:");
            String newFile=new Scanner(System.in).nextLine();
            File addFile=new File(newFolder,newFile);
            try {
                if(addFile.createNewFile())
                    System.out.println("The file was added to the folder");
                else
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                    System.out.println("File already exist");

            } catch (IOException e) {
                System.out.println("Issue :"+ e.getMessage());
            }
            fileManipulation(newFolder);
            break;

        case 2:
            System.out.println("Delete a file");

            System.out.println("Enter the name of the file you have to delete:");
            String fileName= new Scanner(System.in).nextLine();
            File delFile=new File(newFolder,fileName);
            if(delFile.exists()) {
                if(delFile.delete()) {
                    System.out.println("The file deleted successfuly");
                }
                else
                    System.out.println("The file deletion was
unsuccessfull");
            }
            else
                System.out.println("The specified file was not found");

            fileManipulation(newFolder);
            break;

        case 3:
            System.out.println("Search a file");
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                System.out.println("Enter the name of the file you have to search");
                String serFile=new Scanner(System.in).nextLine();

                File searchFile= new File(newFolder,serFile);
                if(searchFile.exists()) {
                        System.out.println("The Searched file is present in the
directory");
                }
                else
                        System.out.println("The searched file is not present in the
directory");

                fileManipulation(newFolder);
                break;

        case 4:
                System.out.println("Going to main menu");
                optionSelection(newFolder);
                break;

        default:
                System.out.println("Wrong input\ntry again");
                fileManipulation(newFolder);
                break;



        }
}

}
```